

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (currently amended). A program controlled unit, comprising:

an OCDS module ~~consisting~~ formed of a plurality of components;

a plurality of first supply voltage connections for applying a first supply voltage;

a plurality of second supply voltage connections for applying a second supply voltage;

a plurality of additional components configured for being supplied with power by the first supply voltage;

at least some of said plurality of components of said OCDS module configured for being supplied with power by the second supply voltage;

a control information memory; and

a control device for putting said OCDS module into a state prescribed for debugging taking into account data stored in said control information memory;

said OCDS module configured to be connected to an external debugger and said OCDS module configured for interacting with the external debugger to debug programs executed by the program controlled unit.

2 (previously presented). The program controlled unit according to claim 1, wherein said plurality of additional components configured for being supplied with power by the first supply voltage cannot also be supplied with power by the second supply voltage.

3 (currently amended). The program controlled unit according to claim 1, wherein said at least some of said plurality of components of said OCDS module that are configured for being supplied with power by the second supply voltage cannot also be supplied with power by the first supply voltage.

4 (canceled).

5 (currently amended). The program controlled unit according to claim 1 [[4]], wherein:

said OCDS module is configured to be controlled by the debugger; and

said OCDS module is configured to execute particular actions actuated by the debugger.

6 (original). The program controlled unit according to claim 5, wherein said at least some of said plurality of components of said OCDS module that are configured for being supplied with power by the second supply voltage include components that have a state dependent on an actuation by the debugger.

7 (original). The program controlled unit according to claim 5, wherein said at least some of said plurality of components of said OCDS module that are configured for being supplied with power by the second supply voltage include only components that have a state dependent on an actuation by the debugger.

8 (previously presented). The program controlled unit according to claim 5, wherein said control device configured for putting said OCDS module into a state prescribed by the debugger.

9 (previously presented). The program controlled unit according to claim 8, wherein said control device formed by a

state machine or a CPU configured for transferring the data stored in said control information memory to assigned locations within said OCDS module.

10 (previously presented). The program controlled unit according to claim 8, wherein:

said control device formed by a CPU; and

said CPU configured for using said control information memory as a program storage device and for executing a program represented by the data stored in said control information memory.

11 (previously presented). The program controlled unit according to claim 8, wherein:

said control device configured for putting said OCDS module into a state prescribed by the debugger taking into account control information stored in said control information memory.

12 (original). The program controlled unit according to claim 11, wherein said control information memory can be written to by the debugger.

13 (original). The program controlled unit according to claim 11, wherein said control information memory is configured for being powered by the second supply voltage.

14 (original). The program controlled unit according to claim 13, wherein:

said control information memory is one of said plurality of components of said OCDS module; and

only said control information memory is configured for being supplied with power by the second supply voltage.

15 (original). The program controlled unit according to claim 11, wherein said control information memory is formed by a volatile memory.

16 (previously presented). The program controlled unit according to claim 8, wherein:

said control device configured for checking, following an application of the first supply voltage, whether said control information memory contains data required to put said OCDS module into another state.

17 (original). The program controlled unit according to claim 16, wherein said control device is configured for performing the checking by determining whether a particular value is stored at a particular location within said control information memory.

18 (original). The program controlled unit according to claim 16, wherein said control device is configured for putting said OCDS module into a state prescribed by a content of said control information memory, if the checking reveals that said OCDS module needs to be put into another state.

19 (original). The program controlled unit according to claim 1, wherein all of said plurality of components of said OCDS module are configured for being supplied with power by the second supply voltage

20 (previously presented). A method for debugging programs, which comprises:

providing a program controlled unit including an OCDS module for executing particular actions actuated by an external debugger connected to the program controlled unit;

supplying at least a portion of the OCDS module with power before supplying other components of the program controlled unit with power;

from the debugger, writing a control information memory of the OCDS module with control information prescribing a particular state of the OCDS module; and

after other components of the program controlled unit have been supplied with power, putting the OCDS module into the particular state prescribed by the control information.

21 (previously presented). The method according to claim 20, which further comprises immediately putting the OCDS module into the particular state prescribed by the control information.

22 (canceled).

23 (previously presented). The method according to claim 20, which further comprises:

immediately after the other components of the program controlled unit have been supplied with power, automatically putting the OCDS module into the particular state prescribed by the control information.

24 (original). The method according to claim 23, which further comprises before putting the OCDS module into another state, checking whether the control information memory is storing valid control information.

25 (original). The method according to claim 24, wherein the checking step is performed by determining whether a particular value is stored at a particular location within the control information memory.

26 (previously presented). The method according to claim 20, which further comprises:

providing the control information memory as the portion of the OCDS module that is supplied with power before supplying the other components of the program controlled unit with power;  
and

immediately putting the OCDS module into the particular state prescribed by the control information.